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electrical coupling means for coupling said terminals to a source of electrical signals, acoustic coupling means for insertion into an entrance of an ear canal of a user and having an opening therethrough, housing means including a chamber portion providing a chamber for said receiver means and including a tubular portion supported within said opening of said acoustic coupling means and defining a passage having an inlet end portion in acoustically sealed relation to said outlet of said receiver means and an opposite outlet end portion for propagation of said acoustic signal into said ear canal, and acoustic damper means supported within said outlet end portion of said passage of said tubular portion, said passage including a portion filled with air and extending between said outlet end of said receiver means and said acoustic damper means with a length such as to cooperate with said acoustic damper means in providing a damped coupling assembly operative to substantially compensate [provide compensation] for a loss of external-ear resonance which results from said insertion of said acoustic coupling means into an entrance of an ear canal of a user.

2. ~~(Twice Amended)~~ A high fidelity insert earphone as defined in claim 1, said acoustic damper means comprising a tubular support member and a screen supported by said support member, said tubular support member being press-fitted into said outlet end portion of said passage, and said passage being formed with an internal shoulder engaged by one end of said tubular support member during installation of said acoustic damper means to limit movement toward said receiver means and with [to provide] said outlet

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portion extending between said outlet end of said receiver means and said acoustic damper means.

5. (Twice Amended) A high fidelity insert earphone as defined in claim [4]1, with resilient mounting means including resilient foam material compressed during assembly between the output end of said receiver means and an inside surface of said housing means and also between an outer peripheral surface of said receiver means and an inner surface of said outer wall of said chamber portion, said resilient mounting means [foam material] being in the form of a generally rectangular piece of a resilient sheet material having a central opening, and the [said] output tube of said receiver means during installation of said receiver means being extended through said inside surface of said housing means [said central opening] and into said inlet end portion of said passage while said piece of sheet material is folded back around said receiver means.

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14. (Twice Amended) An earphone subassembly for providing a high fidelity earphone upon installation in an opening in an acoustic coupling means which is insertable into an entrance of an ear canal of a user and which is of any one of a number of different types including custom earmolds and ear tips of foam material, wherein said acoustic coupling means in conjunction with said subassembly substantially compensates for a loss of external-ear resonance which results from said insertion of said acoustic coupling means into an entrance of an ear canal of a user.

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said earphone subassembly comprising: receiver means for generating an acoustic output signal as a function of an input electrical signal, said receiver means including terminals for receiving an input electrical signal and an outlet for propagation of said acoustic signal therefrom, electrical coupling means for coupling said terminals to a source of electrical signals, acoustic coupling means for insertion into an entrance of an ear canal of a user and having an opening therethrough, housing means including a chamber portion providing a chamber for said receiver means and including a tubular portion supported within said opening of said acoustic coupling means and defining a passage having an inlet end portion in communication with said outlet of said receiver means and an opposite outlet end portion for propagation of said acoustic signal into said ear canal, and acoustic damper means supported within said outlet end portion of said passage of said tubular portion, wherein said chamber portion of said housing means includes an outer wall in surrounding relation to said receiver means and an end wall from which said tubular portion projects, and wherein said receiver means includes an outlet tube projecting from an end surface of said receiver means and inserted into said inlet end portion of said passage of said housing means, and resilient mounting means for minimizing problems with noise and vibrations while facilitating assembly of said receiver means in said housing means, said resilient mounting means including resilient foam material compressed during assembly between said end surface of said receiver means and an inside surface of said end wall of said

chamber means and also between an outer surface of said receiver means and an inner surface of said outer wall of said chamber portion wherein said receiver means and said acoustic coupling means form an acoustically sealed passage to the ear canal.

15. (Twice Amended) An earphone subassembly as defined in claim 14 [for providing a high fidelity earphone upon installation in an opening in ~~an~~ acoustic coupling means which is insertable into an entrance of an ear canal of a user and which is of any one of a number of different types including custom earmolds and ear tips of foam material, said earphone subassembly comprising: receiver means for generating an acoustic output signal as a function of an input electrical signal, said receiver means including terminals for receiving an input electrical signal and an outlet for propagation of said acoustic signal therefrom, electrical coupling means for coupling said terminals to a source of electrical signals, acoustic coupling means for insertion into an entrance of an ear canal of a user and having an opening therethrough, housing means including a chamber portion providing a chamber for said receiver means and including a tubular portion supported within said opening of said acoustic coupling means and defining a passage having an inlet end portion in communication with said outlet of said receiver means and an opposite outlet end portion for propagation of said acoustic signal into said ear canal, and acoustic damper means supported within said outlet end portion of said passage of said tubular portion, wherein said chamber portion of said housing means includes an outer wall in

surrounding relation to said receiver means and an end wall from which said tubular portion projects,] wherein said tubular portion of said housing means is formed to provide internal and external shoulders, said internal shoulder being engaged by said acoustic coupling means to limit movement of said acoustic coupling means toward said end wall during assembly and said external shoulder being in facing relation to an outer surface of said end wall of said chamber portion and arranged to receive a portion of said acoustic coupling means of reduced cross-sectional size dimensioned to be positioned between said wall portion of said housing and said shoulder of said tubular portion to releasably lock said housing means and said acoustic coupling means together.

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16. (Amended) A method of making an earphone, comprising the steps of providing a receiver including input electrical terminals at one end and an acoustic outlet tube projecting from an opposite end, providing an acoustic damper including a tubular support and a screen supported by said tubular support, molding from plastic a housing member which includes a chamber portion for said receiver and a tubular portion defining a passage extending from said chamber, providing a generally rectangular piece of compressible sheet material having a central opening, extending said outlet tube of said receiver through said opening prior to installing said receiver in said chamber, and folding said sheet material back about said receiver while moving said receiver into said chamber to foldably wrap said sheet material about said receiver and provide  
→ a resilient support for said receiver acoustically sealing said